PATENT COOPERATION EATY	
	INTERNATIONAL APPLICATION NO. PCT/CA92/00123
NOTIFICATION TO THE DESIGNATED OFFICE OF RECEIPT OF RECORD COPY issued under PCT Rule 24.2(a)	To: United States Patent and Trademark Office
APPLICANT'S OR AGENT'S FILE REFERENCE: 82402-303	Washington, D.C. in its capacity as a designated Office
,	From: The International Bureau of WIPO 1211 Geneva 20 Switzerland
NAME(S) OF APPLICANT(S): DOLYNCHUK, Kenneth, Nicholas et	al.
INTERNATIONAL FILING DATE:	March 1992 (23.03.92)
PRIORITY DATE(S) CLAIMED:	
DATE OF RECEIPT OF RECORD COPY F	3Y INTERNATIONAL BUREAU: March 1992 (31.03.92)
	B. Largo (Authorized Officer)

Form PCT/IB/302 (January 1984)

	From the IN RNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION	
(PCT Rule 61.2)	United States Patent and Trademark Office
	Washington, D.C.
Date of mailing:]
27 October 1993 (27.10.93)	in its capacity as elected Office
International application No.: PCT/CA92/00123	Applicant's or agent's file reference: 82402-303
International filing date: 23 March 1992 (23.03.92)	Priority date:
Applicant: DOLYNCHUK, Kenneth, Nicholas et al	
1. The designated Office is hereby notified of its election made X in the demand filed with the International Preliminary 11 October 19 in a notice effecting later election filed with the International Preliminary 2. The election X was was not made before the expiration of 19 months from the priority is Rule 32.2(b).	y Examining Authority on: 93 (11.10.93) national Bureau on: date or, where Rule 32 applies, within the time limit under
The International Bureau of WIPO	Authorized officer:

Facsimile No.: (41-22) 740.14.35 Form PCT/IB/331 (July 1992)

34, chemin des Colombettes 1211 Geneva 20, Switzerland

B. Morariu

Telephone No.: (41-22) 730.91.11

	From the IN NATIONAL BUREAU
PCT	То:
NOTIFICATION CONCERNING DOCUMENT TRANSMITTED	United States Patent and Trademark Office Washington, D.C.
Date of mailing: 26 April 1994 (26.04.94)	in its capacity as elected Office
International application No.: PCT/CA92/00123	International filing date: 23 March 1992 (23.03.92)
Applicant: UNIVERSITY OF MANITOBA et al	
The International Bureau transmits herewith the following docum	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorised officer:

B. Fitzgerald Telephone No.: (41-22) 730.91.11

Facsimile No.: (41-22) 740.14.35

PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORT 994

(PCT Article 36 and Rule 70)

بالأند		, I.		
5				
			·. ·	
4 3	944-0			
- 1		•		
٠	The second of th			-

Applicant's or agent's file reference 82402-303	FOR FURTHER ACTION		on of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/)	month/year)	Priority date (day/month/year)
PCT/CA 92/00123	23/03/1992	. ,	23/03/1992
International Patent Classification (IPC) or			23, 03, 13, 12
. ,	A61K31/13		
Applicant	A01K31/13		
UNIVERSITY OF MANITOBA e	t al		
 This international preliminary example Authority and is transmitted to the This REPORT consists of a total This report is also accompan	e applicant according to Article 3	36.	ational Preliminary Examining bon, claims and/or drawings amended
during international prelimina	ary examination and/or containii		
These annexes consists of a total o			
3. This report contains indications an	d corresponding pages relating t	to the following	items:
I[X] Basis of the report			
II Priority			
III Non-establishment of o	pinion with regard to novelty, ir	nventive step and	industrial applicability
IV Lack of unity of invent	ion		
	th regard to novelty, inventive stons supporting such statement	tep or industrial	applicability;
VI Certain documents cited	d		
VII Certain defects in the ir	nternational application		
_	n the international application		
			·
Date of submission of the demand	Date	of completion o	of this report
11/10/1993			2 1. 04. 94
Name and mailing address of the IPEA/ European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 5236 Fax: (+49-89) 2399-4465		orized officer	A. Stuffer

INTERNATIONAL PRESIMINARY EXAMINATION REPORT

, as originally filed,, filed with the demand,
filed with the letter of
, filed with the letter of
, filed with the letter of
_, as originally filed,
, as amended under Article 19,
, filed with the demand,
, filed with the letter of,
, as originally filed,
, filed with the demand,
, filed with the letter of
, filed with the letter of

INTERNATIONAL PREMIMINARY EXAMINATION REPORT

. Reasoned statement under Article 35(2 citations and explanations supporting	e) with regard to novelty, inventive step and g such statement.	d industrial applicability;
. STATEMENT		
Novelty (N)	Claims 1-7 (no)	
	Claims	NO
Inventive Step (IS)	Claims	
	Claims <u>1-7</u>	NO
Industrial Applicability (IA)	Claims	YES
	Claims <u>1-7</u>	NO

2. CITATIONS AND EXPLANATIONS

- 1). WO-A- 91/10427, discloses transglutaminase inhibitor preparations including monodansyl cadaverine, dansyl-cadaverine, putrescine, histamine, methyl amine, and cystamine used for therapy of filaria infections. This disclosure clearly anticipates the subject-matter of the present claims 1-7 (Art. 33(2) PCT).
- 2). For the assessment of the presently worded claims 8-15 on the question whether they are industrially applicable, no unified criteria exist in the PCT. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognise as industrially applicable claims to the use of a compound in a medical treatment, but will allow, claims to a compound for a first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

INTERNATIONAL PREMIMARY EXAMINATION REPORT



VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

With regard to the pages of the specification, it is 1). submitted that with Applicant's response dated 23.6.92 only the drawings figures 1-8 and the amended pages 2,4 and 5 of the specification had been filed. Page 1 (filed the 8th. of april 92) is in this context not consistent with page 2 (filed the 23rd. of june 92). The same applies to page 5 bridging with page 6.

RECORD SOPY

INTERNATIONAL APPLICATION UNDER THE PATENT COOPE TON TREATY REQUEST

(The following is to be filled in by the receiving Office) INTERNATIONAL APPLICATION NECT / CA 9 2 / 0 0 1 2 3
INTERNATIONAL 23 MARCH 1992 FILING DATE: (23.03.92)
(Stamp) Name of receiving Office and "PCT International Application"
Applicant's or agent's file reference

Title Changes see ISR

THE UNDERSIGNED REQUESTS THAT THE PRESENT INTERNATIONAL APPLICATION BE PROCESSED	(Stamp) Name of receiving Office and "PCF International Application"
ACCORDING TO THE PATENT COOPERATION TREATY	Applicant's or agent's file reference (indicated by applicant if desired) 82402-303
Box No. I TITLE OF INVENTION	
TREATMENT OF SCAR TIS	SUE
Box No. II APPLICANT (WHETHER OR NOT ALSO IN IS APPLICANT. Use this box for indicating the applicant or (includes, where applicable, a legal entity) is involved, continue The person identified in this box is (mark one check-box only): Name and address:** University of Manito 105 Administration Bu Winnipeg Manitoba Canada R3T 2N2	applicant and inventor* [X]X applicant only
Telephone number (including area code): Telegraphic address	Teleprinter address:
State of nationality: CA The person identified in this box is applicant for the purposes of all designated States all designated States except the United States of America	State of residence: *CA If (mark one check-box only): the United States of America only the States indicated in the "Supplemental Box"
WHICH THEY ARE APPLICANTS (IF APPLICABLE). A where applicable a legal entity. If the following two sub-boxes	Nicholas coba
If the person identified in this sub-box is applicant (or applicant	t and inventor), indicate also:
State of nationality: CA and whether that person is applicant for the purposes of (mark all designated States all designated States except the United States of America	State of residence:* CA one check-box only): the United States of America only the States indicated in the "Supplemental Box"
The person identified in this sub-box is (mark one check-box of Name and address:** BOWNESS, John Michal University of Manit Faculty of Medicine 770 Bannatyne Avenu Winnipeg, Manitoba Canada R3E OW3	ael coba
If the person identified in this sub-box is applicant (or applican	t and inventor), indicate also:
State of nationality: CA and whether that person is applicant for the purposes of (mark all designated States all designated States except the United States of America	State of residence: * CA one check-box only): the United States of America only the States indicated in the "Supplemental Box"
** Indicate the name of a natural person by giving his/her famentity by its full official designation. In the address, include	ally name first followed by the given name(s). Indicate the name of a legal

/ I B I C		AGENT (IF ANY) OR COMMON REPRESENTAIN CASES). A common representative may be apposed; the common representative must be one of the application (includes, which applicable, a legal entity) is he the applicant(s) before the competent International Automatical	inted of	- le . i f . i	hara ara cavaral anniscante and it no apent is of NAS
		the applicant(s) before the competent International Autodiress, including postal code and country:	horities	:	If the space below is ased histead to.
ivame					an address for notifications, mark here:
		Ade & Company			
		1700-360 Main Street Winnipeg, Manitoba			1
		Canada R3C 3Z3			
					!
Teleph	none n	umber (including area code): Telegraphic address	s :		Teleprinter address:
PRO	TECT	DESIGNATION OF GROUPS OF STATES ION OR TREATMENT. The following designations	OR S	TATE reby m	S(1); CHOICE OF CERTAIN KINDS OF ade (please mark the applicable check-boxes):
Regio	nal P	atent			
XX	EP	European Patent (2): AT Austria, BE Belgium	, CH	and I	I Switzerland and Liechtenstein,
		DE Germany, DK Denmark, ES Spain, FI Italy, LU Luxembourg, MC Monaco, N	II. Net	herlar	ids. SE Sweden.
		and any other State which is a Contracting State of th	e Europ	ean Pa	atent Convention and of the PCT
$\mathbf{x}\mathbf{x}$	OA	OAPI Patent: Benin, Burkina Faso, Cameroor	ı, Cent	ral A	frican Republic, Chad, Congo, Côte d'Ivoire,
==		Gabon, Guinea, Mali, Mauritania, Senegal, Tog and any other State which is a Contracting State of O	o, API an	d of the	e PCT; if other OAPI title desired, specify on dotted
		line ⁽³⁾ :	-		
Natio	nal P	atent (if other kind of protection or treatment desired,	specify	on dot	ted line ⁽³⁾
		Austria (3)			Republic of Korea (3)
닖		Australia (3)		_	Sri Lanka
XX			ii'		Luxembourg (3)
XX		Bulgaria (3)			Madagascar
 		Brazil (3)	XX		Mongolia (3)
			xX		Malawi ⁽³⁾
XX.		Canada			Netherlands
		and LI Switzerland and Liechtenstein			
XX		Czechoslovakia	XXI		Norway Poland (3)
		Germany (3)			
		Denmark	XX.	RO	Romania
	ES	Spain ⁽³⁾		SD	Sudan
XX	FI	Finland	₩	SE	Sweden Soviet Union Russian FEDERATION
	GB	United Kingdom			
		Hungary	ХX	US	United States of America (3)
XX	JP	Japan ⁽³⁾			
KX	KP	Democratic People's Republic of Korea ⁽³⁾			
	e reser sheet:	ved for designating States (for the purposes of a national	al paten	t) whic	h have become party to the PCT after the issuance of
l	• • • • •				
1					
(I) T	he app	licant's choice of the order of designations may be indica	ated by	markin	g the check-boxes with sequential arabic numerals (see

also the "Notes to Box No. V").
(2) The selection of particular States for a European patent can be made upon entering the national (regional) phase before the European Patent Office (see also the "Notes to Box No. V").
(3) If another kind of protection or a title of addition or, in the United States of America, treatment as a continuation or a continuation-in-part is desired, specify according to the instructions given in the "Notes to Box No. V."

C1		2
Sneet	number	

Country (country in which it was filed if national application; one of the countries for which it was filed if regional or international application)	Filing Date (day, month, year)	Application No.	Office of filing (fill in only if the earlier application is an international application or a regional application)
1)			
2)			
3)			
When the earlier application wa Dffice, the applicant may, again	st payment of the required fee, ask the by requested to prepare and trans	e purposes of the present internation	ertified copy of the above-mer
Searching Authority has already o the extent possible, on the res	been requested (or completed) and	earch (international, international-ty the said Authority is now requested ify such search or request either by r st.	to base the international search
international application number number and country (or regional Office) of other application:		International/regional/national filing date:	
Date of request for search:		Number (if available) given to search request:	
Ade & Rompany	E OF APPLICANT(S) OR AGE		
Ade & company Patent Agent for If the present Request form is signed by the applicant is require	the Applicant signed on behalf of any applicant to ed. If in such case it is desired to m	by an agent, a separate power of att nake use of a general power of attorn	orney appointing the agent an ney (deposited with the receivin
Ade & Company Patent Agent for If the present Request form is signed by the applicant is require Office), a copy thereof must be	the Applicant signed on behalf of any applicant to ed. If in such case it is desired to m	by an agent, a separate power of attornake use of a general power of attorn This international application	ney (deposited with the receivin
Ade & fompany Patent Agent for If the present Request form is signed by the applicant is requir Office), a copy thereof must be Box No. IX CHECK LIST	the Applicant signed on behalf of any applicant led. If in such case it is desired to mattached to this form.	by an agent, a separate power of attornate use of a general power of attorn	as filed is accompanied by the
Ade & Company Patent Agent for If the present Request form is regular Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request	the Applicant signed on behalf of any applicant led. If in such case it is desired to nattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets	by an agent, a separate power of att nake use of a general power of attorn This international application items marked below:	as filed is accompanied by the
Ade & Company Patent Agent for If the present Request form is signed by the applicant is require Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description	the Applicant igned on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets	This international application items marked below: 1. separate signed power of attems.	as filed is accompanied by the of attorney
Ade & fompany Patent Agent for If the present Request form is signed by the applicant is requir Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims	the Applicant signed on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets	This international application items marked below: 1. separate signed power of 2. copy of general power of 2.	as filed is accompanied by the of attorney of attorney see Box No. VI)
Ade & Company Patent Agent for If the present Request form is signed by the applicant is require Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims 4. abstract	the Applicant signed on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets 1 sheets	This international application items marked below: 1. separate signed power of 2. copy of general power of 3. priority document(s) (see	as filed is accompanied by the of attorney of attorney see Box No. VI) or revenue stamps
Ade & Company Patent Agent for If the present Request form is signed by the applicant is requir Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims 4. abstract	the Applicant signed on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets 1 sheets	This international application items marked below: 1. separate signed power of 2. copy of general power of 3. priority document(s) (see 4. receipt of the fees paid	as filed is accompanied by the of attorney of attorney see Box No. VI) or revenue stamps
Ade & fom pany Patent Agent for If the present Request form is a signed by the applicant is requir Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims 4. abstract 5. drawings	the Applicant igned on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets 1 sheets 9 sheets Total 21 sheets	This international application items marked below: 1. separate signed power of 2. copy of general power of 3. priority document(s) (see 4. receipt of the fees paid 5. cheque for the payment	as filed is accompanied by the of attorney of attorney ee Box No. VI) or revenue stamps of fees it account
Ade & Company Patent Agent for If the present Request form is signed by the applicant is requir Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims 4. abstract 5. drawings Figure number	the Applicant igned on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets 1 sheets 9 sheets Total 21 sheets of the drawings (if any) the abstract for publication.	This international application items marked below: 1. separate signed power of 2. copy of general power of 3. priority document(s) (see 4. receipt of the fees paid 5. cheque for the payment 6. request to charge depose	as filed is accompanied by the of attorney of attorney ee Box No. VI) or revenue stamps of fees it account
Ade & Company Patent Agent for If the present Request form is signed by the applicant is requir Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims 4. abstract 5. drawings Figure number	the Applicant igned on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets 1 sheets 9 sheets Total 21 sheets of the drawings (if any) the abstract for publication.	This international application items marked below: 1. separate signed power of 2. copy of general power of 3. priority document(s) (see 4. receipt of the fees paid 5. cheque for the payment 6. request to charge depose 7. other document (specification) of the fees feed in by the receiving Office)	as filed is accompanied by the of attorney of attorney ee Box No. VI) or revenue stamps of fees it account
Ade & Company Patent Agent for If the present Request form is signed by the applicant is requir Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims 4. abstract 5. drawings Figure number is suggested to accompany 1. Date of actual receipt of th 2. Corrected date of actual receipt	the Applicant signed on behalf of any applicant it ed. If in such case it is desired to m attached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets 1 sheets 9 sheets Total 21 sheets	This international application items marked below: 1. separate signed power of 2. copy of general power of 3. priority document(s) (see 4. receipt of the fees paid 5. cheque for the payment 6. request to charge depose 7. other document (specification of the fees paid of the fees paid for the payment	as filed is accompanied by the of attorney of attorney ee Box No. VI) or revenue stamps of fees it account
Ade & Company Patent Agent for If the present Request form is signed by the applicant is require Office), a copy thereof must be Box No. IX CHECK LIST This international application of sheets: 1. request 2. description 3. claims 4. abstract 5. drawings Figure number sis suggested to accompany 1. Date of actual receipt of the or drawings completing the	the Applicant igned on behalf of any applicant led. If in such case it is desired to mattached to this form. (To be filled in by the Applicant) on contains the following number 3 sheets 6 sheets 2 sheets 1 sheets 9 sheets Total 21 sheets of the drawings (if any) the abstract for publication. (The following is to be filled the purported international application teipt due to later but timely received.	This international application items marked below: 1. separate signed power of 2. copy of general power of 3. priority document(s) (see 4. receipt of the fees paid 5. cheque for the payment 6. request to charge depose 7. other document (specification of the fees paid 5. cheques for the payment 6. metallic payment feet in by the receiving Office) 23 MARCH 1992 (dd papers not be a general power of attention of attenti	as filed is accompanied by the of attorney of attorney ee Box No. VI) or revenue stamps of fees it account

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PAINT COOPERATION TREATY (PCT)

(51) International Patent Classification 5:

A61K 31/13, 31/135, 31/275

(11) International Publication Number:

WO 93/18760

A1

(43) International Publication Date:

30 September 1993 (30.09.93)

(21) International Application Number:

PCT/CA92/00123

(22) International Filing Date:

23 March 1992 (23.03.92)

(71) Applicant (for all designated States except US): UNIVERSITY OF MANITOBA [CA/CA]; 105 Administration Building, Winnipeg, Manitoba R3T 2N2 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DOLYNCHUK, Kenneth, Nicholas [CA/CA]; BOWNESS, John, Michael [CA/CA]; University of Manitoba, Faculty of Medicine, 770 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3 (CA).

(74) Agent: ADE & COMPANY; 1700-360 Main Street, Winnipeg, Manitoba R3C 3Z3 (CA).

(81) Designated States: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD, UA, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG).

Published

With international search report.

(54) Title: USE OF TRANSGLUTAMINASE INHIBITOR FOR THE TREATMENT OF SCAR TISSUE

(57) Abstract

The invention relates to the therapeutic treatment of hypertrophic scar tissue within a composition comprising a non-toxic transglutaminase inhibitor, such as putrescine, or a pharmaceutically acceptable acid addition salt thereof, and a pharmaceutically acceptable carrier or diluent. A successful method for treating hypertrophic scar tissue with such compositions, is also disclosed.

1: 1

INTERNATIONAL SEARCH REPORT

International Application No PCT/CA 92/00123 I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all)⁶ A 61 K 31/275 II. FIELDS SEARCHED Minimum Documentation Searched7 Classification System Classification Symbols Int.C1.5 A 61 K Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched⁸ III. DOCUMENTS CONSIDERED TO BE RELEVANT⁹ Citation of Document, 11 with indication, where appropriate, of the relevant passages 12 Relevant to Claim No.13 Category o X US, A, 4485088 (CHVAPIL) 27 November 1,2,8-1984, see abstract 11 US,A,4507321 (RAISFELD et al.) 26 X 1-7 March 1985, see abstract; examples; columns 4-9; column 2, line 33 - column 4, line 58 US,A,4997854 (KAGAN) 5 March 1991, see abstract; column 12, line 40 - column 13, X 1-5,8-13 line 45; claims 1-4 X WO, A, 9110427 (UNIV. OF TEXAS) 25 1-6 July 1991, see abstract; page 9, lines 8-18; page 14, lines 18-26 ° Special categories of cited documents: 10 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another involve an inventive step "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document referring to an oral disclosure, use, exhibition or document is combined with one or more other such doc other means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family IV. CERTIFICATION Date of the Actual Completion of the International Search Date of Mailing of this International Search Report 26 JUN 1992 27-05-1992 International Searching Authority Signature of Authorized Officer **EUROPEAN PATENT OFFICE**

Page 2 PCT/CA 92/00123

International Application No PCT/CA 92/00123 III. DOCUMENTS CONSIDERED TO BE RELEVANT (CONTINUED FROM THE SECOND SHEET)				
İ				
x	Annals of Surgery, vol. 193, no. 5, May 1981, E.E. PEACOCK: "Pharmacologic control of surface scarring in human beings", pages 592-597, see abstract	1,2,8-		
1				

International Application No. PCT/ CA92/00123

FURTHER	NFORMATION CONTINUED FROM THE SECOND SHEET	No. 1 017 CA3270012.
]		
		,
	•	
v. X obs	ERVATION WHERE CERTAIN CLAIMS WERE FOUND UNSEARCHABLE 1	
This Internation	hal search report has not been established in respect of certain claims under Article 17(2)(a) for the follow	ring reasons:
1. Claim i	numbers because they relate to subject matter not requirely, namely.	
Rema trea carr	rk: Although claims 8-15 are directed to a method of tment of the human/animal body the search has been ied out and based on the alleged effects of the	
comp	ounds/compositions.	
2. Claim n with the	umbers because they relate to parts of the international prescribed requirements to such an extent that no meaningful international search can be carried out, s	application that do not comply secifically:
		<i></i> ·
3. Claim n the sec	umbers because they are dependent claims and are not and third sentences of PCT Rule 6.4(a).	drafted in accordance with
VI. OBSE	RVATIONS WHERE UNITY OF INVENTION IS LACKING 2	
This Internation	al Searching Authority found multiple Inventions in this International application as follows:	
	·	
1. As all re of the in	equired additional search fees were timely paid by the applicant, this International search report covers al Iternational application	i searchable claims
2. As only those ci	some of the required additional search fees were timely paid by the applicant, this international search re aims of the International application for which fees were paid, specifically claims	port covers only
3 No requithe inve	red additional search fees were timely paid by the applicant. Consequently, this international search repo ntion first mentioned in the claims; it is covered by claim numbers:	rt is restricted to
4 As all se invite pa	archable claims could be searched without effort justifying an additional fee, the international Searching lyment of any additional fee Potest	Authority did not
The addit	ional search fees were accompanied by applicant's protest.	
	at accompanied the payment of additional search fees	

CA 9200123 SA 57517

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 18/06/92

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US-A- 4485088	27-11-84	None		
US-A- 4507321	26-03-85	None		
US-A- 4997854	05-03-91	None		
WO-A- 9110427	25-07-91	AU-A- 7478991	05-08-91	

11 Rec'd PCT/PTO 05 AUG 1992

PATENT COOPERATION TREATY



INTERNATIONAL SEARCH RECENT

IDENTIFICATION OF THE INTERNATIONAL APPLICATION	Applicant's or Agent's File Reference 82402-303
International Application No.	International Filing Date
PCT/ CA92/00123	23/03/92
Receiving Office	Priority Date Claimed
RO/CA	
Applicant (Name)	
UNIVERSITY OF MANITOBA et al.	
I. X CERTAIN CLAIMS WERE FOUND UNSEARCHABLE 1 (Observations on su	pplemental sheet (2))
II. UNITY OF INVENTION IS LACKING ² (Observations on supplemental she	et (2))
III. TITLE, ABSTRACT AND FIGURE OF DRAWING	
The following indicated items are approved as submitted by the applicant: Title. Abstract.	
2. The texts established by this International Searching Authority of the following	indicated items are set forth below:
X Title.	
☐ Abstract.	
USE OF TRANSGLUTAMINASE INHIBITOR FOR THE TREATME	NT OF SCAR TISSUE
·	
	•
	i
Text of the abstract continued on supplemental sheet (1) 3. a. The definitive contents of the abstract are established by this Internation form PCT/ISA/204, previously sent to the applicant.	tional Searching Authority as proposed in
b. This report is incomplete as far as the abstract is concerned as the tithe draft prepared by this International Searching Authority has not experience.	ime limit for comments by the applicant on expired. 4
4. Figure to be published with the abstract ⁵	·
Figure No. X None of the Figures	
as suggested by the applicant because the applicant failed to suggest a figure	
because this figure better characterizes the invention	

INTERNATIONAL SEARCH REPORT International Application No PCT/CA 92/00123 MATTER (if several classification symbols apply, indi-I. CLASSIFICATION OF SUB. ssification (IPC) or to both National Classification and II According to International Pater A 61 K 31/275 A 61 K 31/135 A 61 K 31/13 Int.Cl.5 II. FIELDS SEARCHED Minimum Documentation Searched⁷ Classification Symbols Classification System A 61 K Int.C1.5 Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched8 III. DOCUMENTS CONSIDERED TO BE RELEVANT9 Relevant to Claim No.13 Citation of Document, 11 with indication, where appropriate, of the relevant passages 12 Category o 1,2,8-US,A,4485088 (CHVAPIL) 27 November X 11 1984, see abstract 1-7 US, A, 4507321 (RAISFELD et al.) 26 X March 1985, see abstract; examples; columns 4-9; column 2, line 33 - column 4, line 58 US,A,4997854 (KAGAN) 5 March 1991, see abstract; column 12, line 40 - column 13, 1-5,8-X 13 line 45; claims 1-4 1-6 WO,A,9110427 (UNIV. OF TEXAS) 25 X July 1991, see abstract; page 9, lines 8-18; page 14, lines 18-26 later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the ° Special categories of cited documents: 10 "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means document published prior to the international filing date but later than the priority date claimed in the art. "&" document member of the same patent family IV. CERTIFICATION Date of Mailing of this International Search Report Date of the Actual Completion of the International Search 27-05-1992 Signature of Authorized Officer International Searching Authority

EUROPEAN PATENT OFFICE

International Application No

Page 2 PCT/CA 92/00123

See notes on accompanying sheet

	TS CONSIDERE TO BE RELEVANT (CONTINUED FROM THE STOOM SHEET)	B.1
Category °	Citatio Document, with indication, where appropriate, of the relevantssages	Relevant to Claim No.
x	Annals of Surgery, vol. 193, no. 5, May 1981, E.E. PEACOCK: "Pharmacologic control of surface scarring in human beings", pages 592-597, see	1,2,8-
	E.E. PEACOCK: "Pharmacologic control of surface	11
	scarring in human beings", pages 592-597, see	
	abstract	
	•	
	u.	
ļ		
	•	
		·
		1
ĺ		•
ľ		
	. •	
	,	
		1
1		
ı		Į.

FURTHER INFORMATION CONTINUED FROM THE SECOND SHEET	01. 0.152.00120
V. X OBSERVATION WHERE CERTAIN CLAIMS WERE FOUND UNSEARCHABLE 1	
This International search report has not been established in respect of certain claims under Article 17(2)(a) for the following rea	isons:
1. Claim numbers because they relate to subject matter not required to b	e searched by this
Authority, namely: Remark: Although claims 8–15 are directed to a method of	
treatment of the human/animal body the search has been	
carried out and based on the alleged effects of the	
compounds/compositions.	
2. Claim numbers with the prescribed requirements to such an extent that no meaningful International search can be carried out, specifications.	ation that do not comply ally.
	•
	•
3. Claim numbers because they are dependent claims and are not drafted the second and third sentences of PCT Rule 6.4(a).	d in accordance with
the second and third sentences of FCT Kare order.	
VI. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2	
This International Searching Authority found multiple Inventions in this International application as follows:	
	chable claims
As all required additional search fees were timely paid by the applicant, this International search report covers all search of the International application	Chaple Claims
The second control of	overs only
2. As only some of the required additional search fees were timely paid by the applicant, this international search report c those claims of the International application for which fees were paid, specifically claims:	overs only
·	
3. No required additional search fees were timely paid by the applicant. Consequently, this international search report is re	estricted to
the invention first mentioned in the claims; it is covered by claim numbers:	
4. As all searchable claims could be searched without effort justifying an additional fee, the International Searching Autho	erity did not
invite payment of any additional fee.	
Remark on Protest	
The additional search fees were accompanied by applicant's protest.	
No protest accompanied the payment of additional search fees.	

Ý.

CA 9200123 SA 57517

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 18/06/92

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US-A- 4485088	27-11-84	None		
US-A- 4507321	26-03-85	None		
US-A- 4997854	05-03-91	None		
WO-A- 9110427	25-07-91	AU-A- 7478991	05-08-91	

RECEIVEDOT

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

ADE & COMPANY 1700-360 Main Street WINNIPEG, MANITOBA R3C 3Z3 CANADA APR 28 1994

E ENOTHICATION OF TRANSMITTAL OF HADRIAN PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

IMPORTANT NOTIFICATION

Date of mailing (day/month/year)

2 1. 04. 94

Applicant's or agent's file reference

82402-303
International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/CA 92/00123

23/03/1992

23/03/1992

Applicant

UNIVERSITY OF MANITOBA et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
- 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

European Patent Office D-80298 Munich

Tel. (+49-89) 2399-0, Tx: 523656 epmu d

Fax: (+49-89) 2399-4465

Authorized officer

S. Jacobus-Prues

Form PCT/IPEA/416 (July 1992) P20473

(11/10/1993)

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	<u> </u>	See Notifica	tion of Transmissal of International
82402-303	FOR FURTHER ACTIO	N Preliminary	ation of Transmittal of International Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day month year)	Priority date (day/month/year)
PCT/CA 92/00123	23/03/1992	•	23/03/1992
International Patent Classification (IPC) or	national classification and I	PC	
A	A61K31/13		
Applicant			
UNIVERSITY OF MANITOBA e	t al.		
This international preliminary example Authority and is transmitted to the This REPORT consists of a tota This report is also accompanduring international preliminary and the preliminary example and the preliminary examp	s applicant according to Arti	cle 36.	ion, claims and/or drawings amonded
		aining rectifications	s made before this Authority.
These annexes consists of a total of a This report contains indications an			
	d corresponding pages relati	ng to the following	; items:
IX Basis of the report			
II Priority	atotao odali o da la de		
Non-establishment of opinion with regard to novelty, inventive step and industrial applicability [V] Lack of unity of invention			
Community of thirty of	h regard to novelty, inventiv	re step or industrial	Lapplicability
	ns supporting such statemen	t step of moustria	applicationity,
VI Certain documents cited	1	•	
VII Certain defects in the in	ternational application		-
VIII 🔀 Certain observations on	the international application	n	
•	•		
Date of submission of the demand		ate of completion	of this report
11/10/1993			2 1. 04. 94
Name and mailing address of the IPEA/	. ^	uthorized officer	11 A De
European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 5236: Fax: (+49-89) 2399-4465	56 epniu d	A	A. Stofmer
orm PCI/IPEA/409 (cover sheet) (July 199	2) P20476 (22/11/	1993)	· · · · · · · · · · · · · · · · · · ·

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

I. Basis of the report					
1. This report has been drawn up on the basis of:					
[] the international application as originally f	iled.				
pages					
No					
sheets/fig					
 The amendments have resulted in the cancellation of: sheets of drawings/figur 	pages: res No.:				
 This report has been established as if (some of considered to go beyond the disclosure as filed) the amendments had not been made, since they have been i:				
4. Additional observations, if necessary:					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

citations and explanations supporting	2) with regard to novelty, inventive step and g such statement	
STATEMENT		
Novelty (N)	Claims 1-7 (no)	YES
	Claims	NO
Inventive Step (IS)	Claims	YES
	Claims 1-7	NO
Industrial Applicability (IA)	Claims	YES
	Claims	NO

2. CITATIONS AND EXPLANATIONS

- 1). WO-A- 91/10427, discloses transglutaminase inhibitor preparations including monodansyl cadaverine, dansyl-cadaverine, putrescine, histamine, methyl amine, and cystamine used for therapy of filaria infections. This disclosure clearly anticipates the subject-matter of the present claims 1-7 (Art. 33(2) PCT).
- on the question whether they are industrially applicable, no unified criteria exist in the PCT. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognise as industrially applicable claims to the use of a compound in a medical treatment, but will allow, claims to a compound for a first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

1). With regard to the pages of the specification, it is submitted that with Applicant's response dated 23.6.92 only the drawings figures 1-8 and the amended pages 2,4 and 5 of the specification had been filed.

Page 1 (filed the 8th. of april 92) is in this context not consistent with page 2 (filed the 23rd. of june 92). The same applies to page 5 bridging with page 6.

ANNEX TO THE INTERNATIONAL SEARCH REPORT ON INTERNATIONAL PATENT APPLICATION NO.

CA 9200123 57517 SA

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 18/06/92. The European Patent Office is in no way tiable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US-A- 4485088	27-11-84	None	
US-A- 4507321	26-03-85	None	
US-A- 4997854	05-03-91	None	
WO-A- 9110427	25-07-91	AU-A- 747899	1 05-08-91

Page 2 PCT/CA 92/00123

International Application No.

	TENTS CONSIDERED TO BE RELEVANT (CONTINUED FROM THE SECOND SHEET)	Polance to Claim No.	
Credoth .	Citation of Document, with Indication, where appropriate, of the relevant passages	Referent to Claim No.	
x	Annals of Surgery, vol. 193, no. 5, May 1981, E.E. PEACOCK: "Pharmacologic control of surface scarring in human beings", pages 592-597, see abstract	1,2,8- 11	
		-	
:			
		•	
	·		
		·	
		<u> </u>	

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CA 92/00123

I. CLASSIFICATION OF SUBJECT MATTER (If several classification symbols apply, Indicate all)					
According to International Patent Classification (IPC) or to both National Classification and IPC Int.Cl.5 A 61 K 31/13 A 61 K 31/135 A 61 K 31/275					
II. FIELDS	SEARCHED			· ·	
		Misimum Doc	umentation Searched?	,	
Classification System Classification Symbols					
Int.C1.5 A 61 K					
Documentation Searched other than Minimum Documentation to the Extent that such Documents are lactuded in the Fields Searched ⁸					
,					
III. DOCUMENTS CONSIDERED TO BE RELEVANT? Category Citation of Document, 11 with indication, where appropriate, of the relevant passages 12 Relevant to Claim No.13					
Category *	Citation of Do	cument, 15 with indication, where appro-	opriate, of the relevant passages 14	Relevant to Claim No.13	
X		485088 (CHVAPIL) 27 see abstract	November	1,2,8-	
X	US,A,4507321 (RAISFELD et al.) 26 March 1985, see abstract; examples; columns 4-9; column 2, line 33 - column 4, line 58				
X	see ab	997854 (KAGAN) 5 Mar stract; column 12, li 5; claims 1-4		1-5,8- 13	
X	July 1	110427 (UNIV. OF TEX 991, see abstract; pa nes 18-26 	(AS) 25 age 9, lines 8-18; page -/-	1-6	
			,		
"A" do co TE" ea fill "L" do cit "O" do oil "P" do	nasidered to be of particular document but publicag date comment which may through the cited to establish action or other special recomment referring to an her means comment published prior ser than the priority date.	peral state of the art which is not ular relevance ished on or after the international w doubts on priority claim(s) or the publication date of another eason (as specified) oral disclosure, use, exhibition or to the international filing date but	or priority date and not in conflict with a cited to understand the principle or them invention. "X" document of particular relevance, the cit cannot be considered novel or cannot be involve an inventive step. "Y" document of particular relevance, the cit cannot be considered to involve an inventive and occument is combined with one or more ments, such combination being obvious in the art.	"X" document of particular relevance; the claimed invention cannot be considered as over or cannot be considered to involve an inventive step "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled	
	TETCATION	the laternational Search	Date of Mailine of this International Sec	arch Resort	
Date of the Actual Completion of the International Search 27-05-1992			Date of Mailing of this International Search Report 2 6 JUN 1992		
International Searching Authority Signature of Authorized Officer					
EUROPEAN PATENT OFFICE			riss	MISS T. TAZELAM	

Form PCT/ISA/210 (second sheet) (January 1985)

SUBTUED INCOMMATION CONTINUES TO SEE					
FURTHER INFORMATION CONTINUED FROM THE SECOND SHEET					
	İ				
	i e				
!					
	•				
·					
	!				
	ļ				
<u> </u>]				
	i				
V. OBSERVATION WHERE CERTAIN CLAIMS WERE FOUND UNS	FARCHARLE 1				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
TX	er Article 1/(2)(a) for the following reasons:-				
Claim numbers because they re Authority, namely:	late to subject matter not required to be searched by this				
Remark: Although claims 8-15 are directed to	a method of				
treatment of the human/animal body the search	h has been				
carried out and based on the alleged effects	of the				
compounds/compositions.					
•					
2. Claim numbers because they re	ate to parts of the international application that do not comply				
with the prescribed requirements to such an extent that no meaningful Internation	al search can be carried out, specifically.				
	•				
3 Claim numbers because they ar	e dependent claims and are not drafted in accordance with				
Claim numbers because they are the second and third sentences of PCT Rule 6.4(a).	e dependent claims and are not drafted in accordance with				
the second and third sentences of PCT Rule 6.4(a).	e dependent claims and are not drafted in accordance with				
	e dependent claims and are not drafted in accordance with				
the second and third sentences of PCT Rule 6.4(a). VI. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2					
the second and third sentences of PCT Rule 6.4(a).					
the second and third sentences of PCT Rule 6.4(a). M. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2					
the second and third sentences of PCT Rule 6.4(a). M. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2					
the second and third sentences of PCT Rule 6.4(a). M. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2					
the second and third sentences of PCT Rule 6.4(a). M. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2					
the second and third sentences of PCT Rule 6.4(a). VI OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple Inventions in this International appli	cation as follows.				
the second and third sentences of PCT Rule 6.4(a). VI OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple Inventions in this International applications and the search fees were timely paid by the applicant, this International search fees were timely paid by the applicant, this International search fees were timely paid by the applicant, this International search fees were timely paid by the applicant, this International search fees were timely paid by the applicant.	cation as follows.				
the second and third sentences of PCT Rule 6.4(a). VI OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple Inventions in this International appli	cation as follows.				
the second and third sentences of PCT Rule 6.4(a). VI OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple Inventions in this International application of the International application.	cation as follows. Iational search report covers all searchable claims				
the second and third sentences of PCT Rule 6.4(a). VI OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This international Searching Authority found multiple inventions in this international applicant application of the international application of the international application. As all required additional search fees were timely paid by the applicant, this international application of the international application.	cation as follows. Iational search report covers all searchable claims				
the second and third sentences of PCT Rule 6.4(a). VI OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple Inventions in this International application of the International application.	cation as follows. Iational search report covers all searchable claims				
the second and third sentences of PCT Rule 6.4(a). VI OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This international Searching Authority found multiple inventions in this international applicant application of the international application of the international application. As all required additional search fees were timely paid by the applicant, this international application of the international application.	cation as follows. Iational search report covers all searchable claims				
This international Searching Authority found multiple inventions in this international applicant, this international application of the international application of the international application of the international application of the international application of the international application of the international application for which fees were paid, specifically	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple inventions in this International application of the International application As all required additional search fees were timely paid by the applicant, this International application As only some of the required additional search fees were timely paid by the application those claims of the International application for which fees were paid, specifically	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims				
This international Searching Authority found multiple inventions in this international applicant, this international application of the international application of the international application of the international application of the international application of the international application of the international application for which fees were paid, specifically	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple inventions in this International application of the International application As all required additional search fees were timely paid by the applicant, this International application As only some of the required additional search fees were timely paid by the application those claims of the International application for which fees were paid, specifically	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims				
DBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This international Searching Authority found multiple inventions in this international applicant of the international application of the international application 2. As only some of the required additional search fees were timely paid by the applicant those claims of the international application for which fees were paid, specifically the invention first mentioned in the claims; it is covered by claim numbers.	cation as follows. Introductional search report covers all searchable claims ant, this international search report covers only claims In this international search report is restricted to				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple inventions in this International application of the International application 1	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims 7, this international search report is restricted to				
DBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple inventions in this International application of the International application 1	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims 7, this international search report is restricted to				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple inventions in this International application of the International application 1	cation as follows. Introductional search report covers all searchable claims ant, this international search report covers only claims In this international search report is restricted to				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This international Searching Authority found multiple inventions in this international application of the international application 1	cation as follows. Introductional search report covers all searchable claims ant, this international search report covers only claims In this international search report is restricted to				
DBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple inventions in this International application of the International application 1	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims 7, this international search report is restricted to				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This International Searching Authority found multiple Inventions in this International application of the International application 2. As only some of the required additional search fees were timely paid by the applicant, this international application for which fees were paid, specifically those claims of the International application for which fees were paid, specifically the invention first mentioned in the claims; it is covered by claim numbers 4. As all searchable claims could be searched without effort justifying an additional fee Remark on Protest The additional search fees were accompanied by applicant's protest.	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims 7, this international search report is restricted to				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This international Searching Authority found multiple Inventions in this International application of the International application 2. As all required additional search fees were timely paid by the applicant, this International application 2. As only some of the required additional search fees were timely paid by the application those claims of the International application for which fees were paid, specifically the invention first mentioned in the claims; it is covered by claim numbers 4. As all searchable claims could be searched without effort justifying an additional furnite payment of any additional fee Remark on Protest The additional search fees were accompanied by applicant's protest. No protest accompanied the payment of additional search fees	cation as follows. Introductional search report covers all searchable claims ant, this international search report covers only claims In this international search report is restricted to				
OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING 2 This international Searching Authority found multiple inventions in this international application of the international application 2. As only some of the required additional search fees were timely paid by the applicant, this international application for which fees were paid, specifically those claims of the international application for which fees were paid, specifically the invention first mentioned in the claims; it is covered by claim numbers 4. As all searchable claims could be searched without effort justifying an additional fee Remark on Protest The additional search fees were accompanied by applicant's protest.	cation as follows. Iational search report covers all searchable claims ant, this international search report covers only claims 7, this international search report is restricted to				